



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Carlyle et al.

Applic No.: 09/186,810

Filed : November 5, 1998

For : PROSTHESIS WITH ASSOCIATED
GROWTH FACTORS

Docket No.: S16.12-0052

Group Art Unit: 738

Examiner: P. Prebilio

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AMENDMENT

BOX NON-FEE AMENDMENT
Assistant Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS
BEING SENT BY U.S. MAIL, FIRST
CLASS, TO THE ASSISTANT
COMMISSIONER FOR PATENTS,
WASHINGTON, D.C. 20231, THIS

13 DAY OF June, 2001.
Roder D. Dardi
PATENT ATTORNEY

Sir:

In response to the Office Action mailed on March 13, 2001,
please enter the following amendments and consider the following
remarks. Replacement claims are presented below, and marked-up
claim amendments are presented on separate pages at the end of this
Amendment.

IN THE CLAIMS

Please replace claim 1 with the following:

1. (Four Times Amended) A prosthesis comprising a substrate
and a polypeptide growth factor associated with the substrate by
covalent bonding using crosslinking agents, antibody-antigen
associations, specific binding protein-receptor associations or
enzyme-substrate associations, wherein the crosslinking agents
comprise at least two aldehyde functional groups that form covalent
bonds to link the crosslinking agent with the polypeptide growth
factor and the substrate, the polypeptide growth factor associated
with the substrate being effective to stimulate association of
viable cells with the substrate.